

In the Claims:

1. (Currently Amended): A method of providing terrain ~~data~~ elevation information to multiple users, the method comprising:
 - receiving a request at a server for only terrain ~~data~~ elevation information from one of multiple requestor devices remotely located from the server;
 - extracting requested terrain ~~data~~ elevation information from a database of terrain data, the database being associated with the server;
 - transforming the extracted terrain ~~data~~ elevation information to a format identified in the request; and
 - sending the formatted terrain ~~data~~ elevation information to the one of multiple requestor device;
 - ~~wherein the terrain data includes terrain elevation information.~~
2. (Currently Amended): The method of claim 1 wherein transforming comprises scaling the extracted terrain ~~data~~ elevation information .
3. (Currently Amended): The method of claim 1 wherein transforming comprises modifying an orientation of the extracted terrain ~~data~~ elevation information .
4. (Original): The method of claim 1 wherein the request comprises parameters indicating at least one of the location, size, resolution, and type of terrain data required.
5. (Original): The method of claim 1 wherein the request comprises process control criteria.
6. (Original): The method of claim 5 wherein the process control criteria comprises at least one of a priority indication, response routing information and integrity requirements.

7. (Currently Amended): The method of claim 1 wherein the request comprises an integrity requirement, and further comprising:

using separate terrain server systems to extract terrain ~~data~~ elevation information based on a request; and
comparing extracted terrain ~~data~~ elevation information from the separate terrain server systems.

8. (Currently Amended): A computer readable medium having instructions for causing a computer to execute a method of providing terrain ~~data~~ elevation information to multiple users, the method comprising:

receiving a request for only terrain ~~data~~ elevation information from one of multiple requestors;
extracting requested terrain ~~data~~ elevation information from a database of terrain data;
transforming the extracted terrain ~~data~~ elevation information to a format identified in the request; and
sending the formatted terrain ~~data~~ elevation information to the requestor;
~~wherein the terrain data includes terrain elevation information.~~

9. (Currently Amended): The computer readable medium of claim 8 wherein transforming comprises scaling the extracted terrain ~~data~~ elevation information .

10. (Currently Amended): The computer readable medium of claim 8 wherein transforming comprises modifying an orientation of the extracted terrain ~~data~~ elevation information .

11. (Original): The computer readable medium of claim 8 wherein the request comprises parameters indicating at least one of the location, size, resolution, and type of terrain data required.

12. (Currently Amended): The computer readable medium of claim 8 wherein the request comprises an integrity requirement, and wherein the method further comprises:

using separate terrain server systems to extract terrain ~~data~~ elevation information based on a request; and
comparing extracted terrain ~~data~~ elevation information from the separate terrain server systems.

13. (Currently Amended): A system that provides terrain ~~data~~ elevation information to multiple users, the system comprising:

means for receiving a request for only terrain ~~data~~ elevation information from one of multiple requestors;
a data extraction module that extracts requested terrain ~~data~~ elevation information from a database of terrain data;
a data processing module that transforms the extracted terrain ~~data~~ elevation information to a format identified in the request; and
means for sending the formatted terrain ~~data~~ elevation information to the requestor;
~~wherein the terrain data includes terrain elevation information.~~

14. (Original): The system of claim 13 and further comprising means for managing queue functions related to the order in which requests are handled.

15. (Original): The system of claim 14 wherein queue functions comprise adding new requests, de-queuing of requests, and removing aborted requests.

16. (Original): The system of claim 13 and further comprising means for determining the priority of requests based on at least one of receive a order, request type, requested priority and classification of a requesting device.

17. (Currently Amended): A system that provides terrain ~~data~~ elevation information to multiple users, the system comprising:

a request interface that receives requests for only terrain ~~data~~ elevation information from multiple requestors;

a data extraction module that extracts requested terrain ~~data~~ elevation information from a database of terrain data;

a data processing module that transforms the extracted terrain ~~data~~ elevation information to a format identified in the request; and

a response interface that sends the formatted terrain ~~data~~ elevation information to the requestor;

~~wherein the terrain data includes terrain elevation information.~~

18. (Original): The system of claim 17 wherein the request interface and the response interface comprise a transceiver communicatively coupled to the multiple requestors.

19-21. (Canceled)

22. (Currently Amended): A system that provides terrain ~~data~~ elevation information to multiple users, the system comprising:

request interface that receives requests for only terrain ~~data~~ elevation information from multiple requestors;

a first data extraction module that extracts requested terrain ~~data~~ elevation information from a database of terrain data;

a second data extraction module that extracts requested terrain ~~data~~ elevation information from a database of terrain data;

a data processing module that transforms the extracted terrain ~~data~~ elevation information to a format identified in the request; and

a response interface that sends the formatted terrain ~~data~~ elevation information to the requestor;

~~wherein the terrain data includes terrain elevation information.~~

23. (Currently Amended): The system of claim 22 wherein the data processing module compares extracted terrain ~~data~~ elevation information from the first and second extraction modules.

24. (Currently Amended): The system of claim 22 wherein the data processing module combines extracted terrain ~~data~~ elevation information from the first and second extraction modules.

25. (Currently Amended): The system of claim 22 and further comprising multiple further extraction modules operating in parallel to obtain terrain ~~data~~ elevation information from different portions of the terrain identified in the request.

26. (Currently Amended): A method of providing terrain elevation information to multiple users, the method comprising:

receiving a request at a server for terrain elevation information from one of multiple requestor devices remotely located from the server;

extracting requested terrain elevation information from a database of terrain data, the database being associated with the server;

transforming the extracted terrain elevation information to a format identified in the request as compatible with the requestor device; and

sending the formatted terrain ~~data~~ elevation information to the requestor device;

~~wherein the terrain data includes terrain elevation information.~~